

In the Claims

This listing of claims to replace all prior versions of listed claims:

- 1-24. (Canceled)
25. (Previously Presented) An isolated antibody or fragment thereof that specifically binds to a protein selected from the group consisting of:
- (a) a protein consisting of amino acid residues 1 to 182 of SEQ ID NO:114;
 - (b) a protein consisting of amino acid residues 2 to 182 of SEQ ID NO:114;
 - (c) a protein consisting of amino acid residues 32 to 182 of SEQ ID NO:114;
 - (d) a protein consisting of a portion of SEQ ID NO:114, wherein said portion comprises at least 30 contiguous amino acid residues of SEQ ID NO:114;
and
 - (e) a protein consisting of a portion of SEQ ID NO:114, wherein said portion comprises at least 50 contiguous amino acid residues of SEQ ID NO:114.
26. (Previously Presented) The antibody or fragment thereof of claim 25 that specifically binds protein (a).
27. (Previously Presented) The antibody or fragment thereof of claim 25 that specifically binds protein (b).
28. (Previously Presented) The antibody or fragment thereof of claim 25 that specifically binds protein (c).
29. (Previously Presented) The antibody or fragment thereof of claim 25 that specifically binds protein (d).
30. (Previously Presented) The antibody or fragment thereof of claim 25 that specifically binds protein (e).

31. (Previously Presented) The antibody or fragment thereof of claim 26 that specifically binds protein (b).
32. (Previously Presented) The antibody or fragment thereof of claim 28 wherein said protein bound by said antibody or fragment thereof is glycosylated.
33. (Currently Amended) The antibody or fragment thereof of claim 28 ~~which~~ wherein said antibody is a human antibody.
34. (Currently Amended) The antibody or fragment thereof of claim 28 ~~which~~ wherein said antibody is a polyclonal antibody.
35. (Previously Presented) The antibody or fragment thereof of claim 28 which is selected from the group consisting of:
- (a) a chimeric antibody;
 - (b) a humanized antibody;
 - (c) a single chain antibody; and
 - (d) a Fab fragment.
36. (Previously Presented) A labeled antibody or fragment thereof, wherein the antibody or fragment thereof of claim 28 is labeled.
37. (Previously Presented) The labeled antibody or fragment thereof of claim 36 wherein the label is selected from the group consisting of:
- (a) an enzyme;
 - (b) a fluorescent label;
 - (c) a luminescent label; and
 - (d) a bioluminescent label.

38. (Previously Presented) The antibody or fragment thereof of claim 28 wherein said antibody or fragment thereof specifically binds to said protein in a Western blot.
39. (Previously Presented) The antibody or fragment thereof of claim 28 wherein said antibody or fragment thereof specifically binds to said protein in an ELISA.
40. (Previously Presented) An isolated cell that produces the antibody or fragment thereof of claim 28.
41. (Canceled).
42. (Withdrawn) A method of detecting HUVDJ43 protein of SEQ ID NO:114 in a biological sample comprising:
(a) contacting the biological sample with the antibody or fragment thereof of claim 28; and
(b) detecting the HUVDJ43 protein of SEQ ID NO:114 in the biological sample.
43. (Withdrawn) The method of claim 42 wherein the antibody ~~or fragment thereof~~ is a polyclonal antibody.
- 44-51. (Canceled).
52. (Previously Presented) An isolated monoclonal antibody or fragment thereof that specifically binds to a protein selected from the group consisting of:
(a) a protein consisting of amino acid residues 1 to 182 of SEQ ID NO:114;
(b) a protein consisting of amino acid residues 2 to 182 of SEQ ID NO:114;
(c) a protein consisting of amino acid residues 32 to 182 of SEQ ID NO:114;

- (d) a protein consisting of a portion of SEQ ID NO:114, wherein said portion comprises at least 30 contiguous amino acid residues of SEQ ID NO:114;
and
- (e) a protein consisting of a portion of SEQ ID NO:114, wherein said portion comprises at least 50 contiguous amino acid residues of SEQ ID NO:114.

- 53. (Previously Presented) The antibody or fragment thereof of claim 52 that specifically binds protein (a).
- 54. (Previously Presented) The antibody or fragment thereof of claim 52 that specifically binds protein (b).
- 55. (Previously Presented) The antibody or fragment thereof of claim 52 that specifically binds protein (c).
- 56. (Previously Presented) The antibody or fragment thereof of claim 52 that specifically binds protein (d).
- 57. (Previously Presented) The antibody or fragment thereof of claim 52 that specifically binds protein (e).
- 58. (Previously Presented) The antibody or fragment thereof of claim 53 that specifically binds protein (b).
- 59. (Previously Presented) The antibody or fragment thereof of claim 55 wherein said protein bound by said antibody or fragment thereof is glycosylated.
- 60. (Currently Amended) The antibody or fragment thereof of claim 55 ~~which is~~ wherein said antibody is a human antibody.

61. (Previously Presented) The antibody or fragment thereof of claim 55 which is selected from the group consisting of:
- (a) a chimeric antibody;
 - (b) a humanized antibody;
 - (c) a single chain antibody; and
 - (d) a Fab fragment.
62. (Previously Presented) A labeled antibody or fragment thereof, wherein the antibody or fragment thereof of claim 55 is labeled.
63. (Previously Presented) The labeled antibody or fragment thereof of claim 62 wherein the label is selected from the group consisting of:
- (a) an enzyme;
 - (b) a fluorescent label;
 - (c) a luminescent label; and
 - (d) a bioluminescent label.
64. (Previously Presented) The antibody or fragment thereof of claim 55 wherein said antibody or fragment thereof specifically binds to said protein in a Western blot.
65. (Previously Presented) The antibody or fragment thereof of claim 55 wherein said antibody or fragment thereof specifically binds to said protein in an ELISA.
66. (Previously Presented) An isolated cell that produces the antibody or fragment thereof of claim 55.
67. (Canceled).

68. (Withdrawn) A method of detecting the HUVDJ43 protein of SEQ ID NO:114 in a biological sample comprising:

(a) contacting the biological sample with the antibody or fragment thereof of claim 55; and

(b) detecting the HUVDJ43 protein of SEQ ID NO:114 in the biological sample.

69-111. (Canceled).

112. (Previously Presented) An isolated antibody or fragment thereof that specifically binds a HUVDJ43 protein purified from a cell culture wherein said HUVDJ43 protein is encoded by a polynucleotide encoding amino acids 1 to 182 of SEQ ID NO:114 operably associated with a regulatory sequence that controls the expression of said polynucleotide.

113. (Currently Amended) The antibody or fragment thereof of claim 112 ~~which is~~ wherein said antibody is a monoclonal antibody.

114. (Currently Amended) The antibody or fragment thereof of claim 112 ~~which is~~ wherein said antibody is a human antibody.

115. (Previously Presented) The antibody or fragment thereof of claim 112 which is selected from the group consisting of:

- (a) a chimeric antibody;
- (b) a polyclonal antibody;
- (c) a humanized antibody;
- (d) a single chain antibody; and
- (e) a Fab fragment.

116. (Previously Presented) The antibody or fragment thereof of claim 112 wherein said antibody or fragment thereof specifically binds to said protein in a Western blot.
117. (Previously Presented) The antibody or fragment thereof of claim 112 wherein said antibody or fragment thereof specifically binds to said protein in an ELISA.